

Contents

<i>Editorial</i>	v
<i>Review Papers</i>	
A review of physical, chemical and biological properties of fly ash and effects on agricultural ecosystems	
D. El-Mogazi, D.J. Lisk and L.H. Weinstein (Ithaca, NY, U.S.A.).	1
Environmental implications of incineration of municipal solid waste and ash disposal	
D.J. Lisk (Ithaca, NY, U.S.A.).	39
<i>Regular Papers</i>	
Determination of ethylene and other reactive hydrocarbons in tobacco smoke and evaluation of risk from their inhalation	
G.N. Shaikh, G.G. Pandit, A.M. Mohan Rao and U.C. Mishra (Bombay, India)	67
Impact of bleached kraft mill effluents on drinking water quality	
B. Wigilius, H. Borén, A. Grimvall (Linköping, Sweden), G.E. Carlberg, I. Hagen and A. Brögger (Oslo, Norway)	75
Multielemental assay of tissues of deceased smelter workers and controls	
L. Gerhardsson (Umeå, Sweden), D. Brune (Oslo, Norway), G.F. Nordberg and P.O. Wester (Umeå, Sweden)	97
Characterization of a rural area in terms of dry and wet deposition	
M. Possanzini, P. Buttini and V. Di Palo (Rome, Italy)	111
Chlorinated organic compounds in urban air in Japan	
K. Urano, K. Kawamoto, Y. Abe and M. Otake (Yokohama, Japan)	121
Accumulation of polycyclic aromatic hydrocarbons (PAHs) in an urban snowpack	
A. Boom (Wageningen, The Netherlands) and J. Marsalek (Burlington, Ont., Canada)	133
Characterisation of metal forms in sewage sludge by chemical extraction and progressive acidification	
T. Rudd (London, U.K.), D.L. Lake (Redditch, U.K.), I. Mehrotra (Roorkee, India), R.M. Sterritt, P.W.W. Kirk (London, U.K.), J.A. Campbell (Marlow, U.K.) and J.N. Lester (London, U.K.)	149
Method for evaluating mutagenicity of water. I. A new method of preparing samples for mutagenicity test	
K. Urano, N. Haga, F. Emoto and T. Shinome (Yokohama, Japan)	177
Method for evaluating mutagenicity of water. II. Conditions for applying new sample preparation method to the Ames test	
K. Urano, N. Haga and F. Emoto (Yokohama, Japan)	191
Trace element residues in bluegills and common carp from the lower San Joaquin River, California, and its tributaries	
M.K. Saiki (Dixon, CA, U.S.A.) and T.W. May (Columbia, MO, U.S.A.).	199
Factors influencing lead concentrations in shed deciduous teeth	
L.J. Paterson, G.M. Raab, R. Hunter (Edinburgh, U.K.), D.P.H. Laxen (London, U.K.), M. Fulton (Edinburgh, U.K.), G.S. Fell, D.J. Halls (Glasgow, U.K.) and P. Sutcliffe (Edinburgh, U.K.).	219
A comparative study of copper, lead, cadmium and zinc in human sweat and blood	
J.L. Stauber and T.M. Florence (Menai, NSW, Australia)	235
Comparison of an inductively coupled plasma-atomic emission spectrometry method for the determination of calcium, magnesium, sodium, potassium, copper and zinc with atomic absorption spectroscopy and flame photometry methods	
E.S. DiPietro, M.M. Bashor, P.E. Stroud, B.J. Smarr, B.J. Burgess, W.E. Turner and J.W. Neese (Atlanta, GA, U.S.A.).	249

Smoking machine parameters and cigarette smoke yields	
K.G. Darrall (London, U.K.)	263
Main factors affecting the calculation of radiation dose to the lung from inhalation of radon daughters	
A.K.M.M. Haque and I.A.M. Al-Affan (London, U.K.)	279
<i>Book Reviews</i>	291
<i>Errata.</i>	296
<i>Author Index</i>	297
<i>Subject Index</i>	298

